

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1066180

Luminaire Tested: **NVN-SA4D-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066180
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4D-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20945 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 218.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

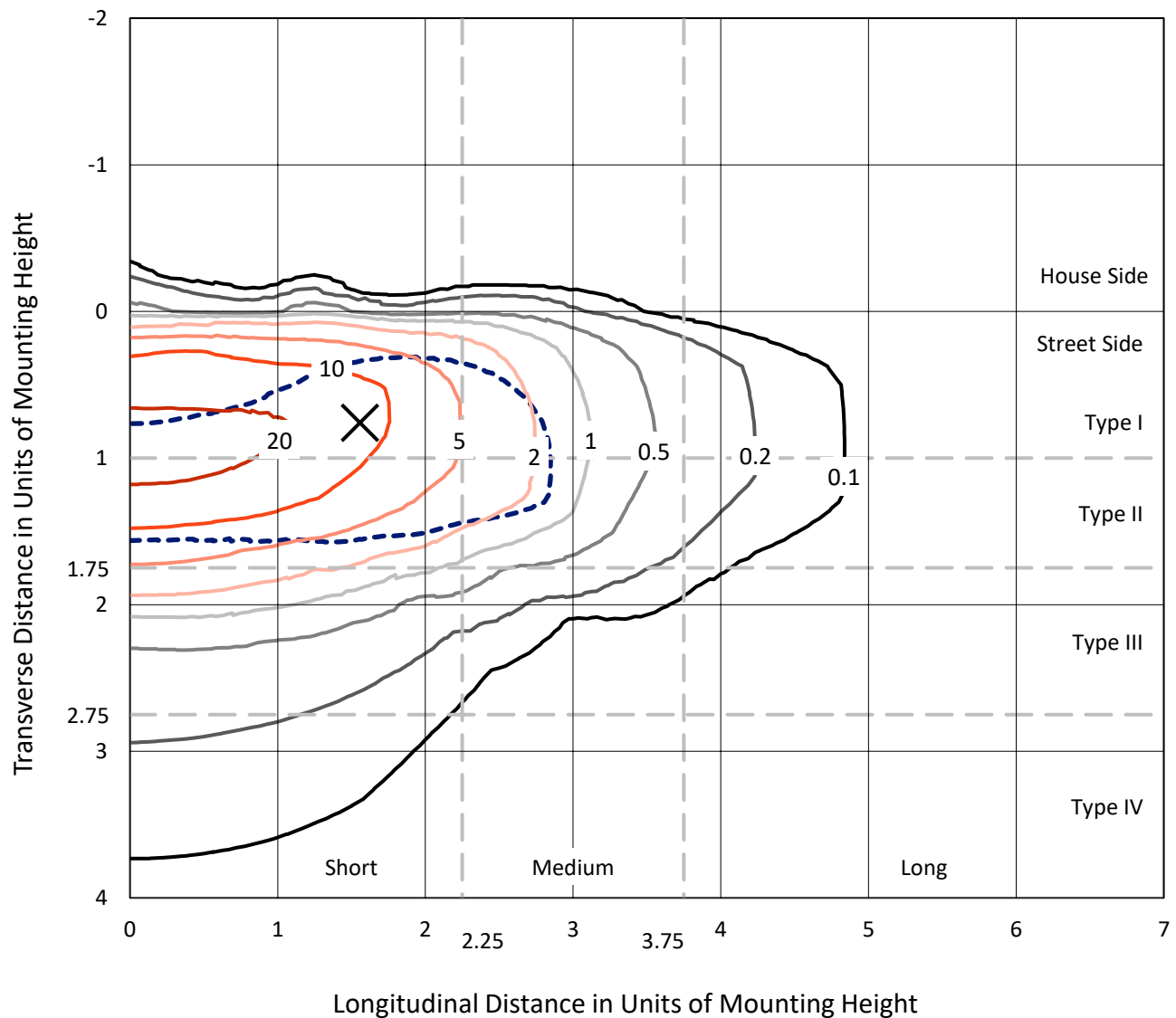


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

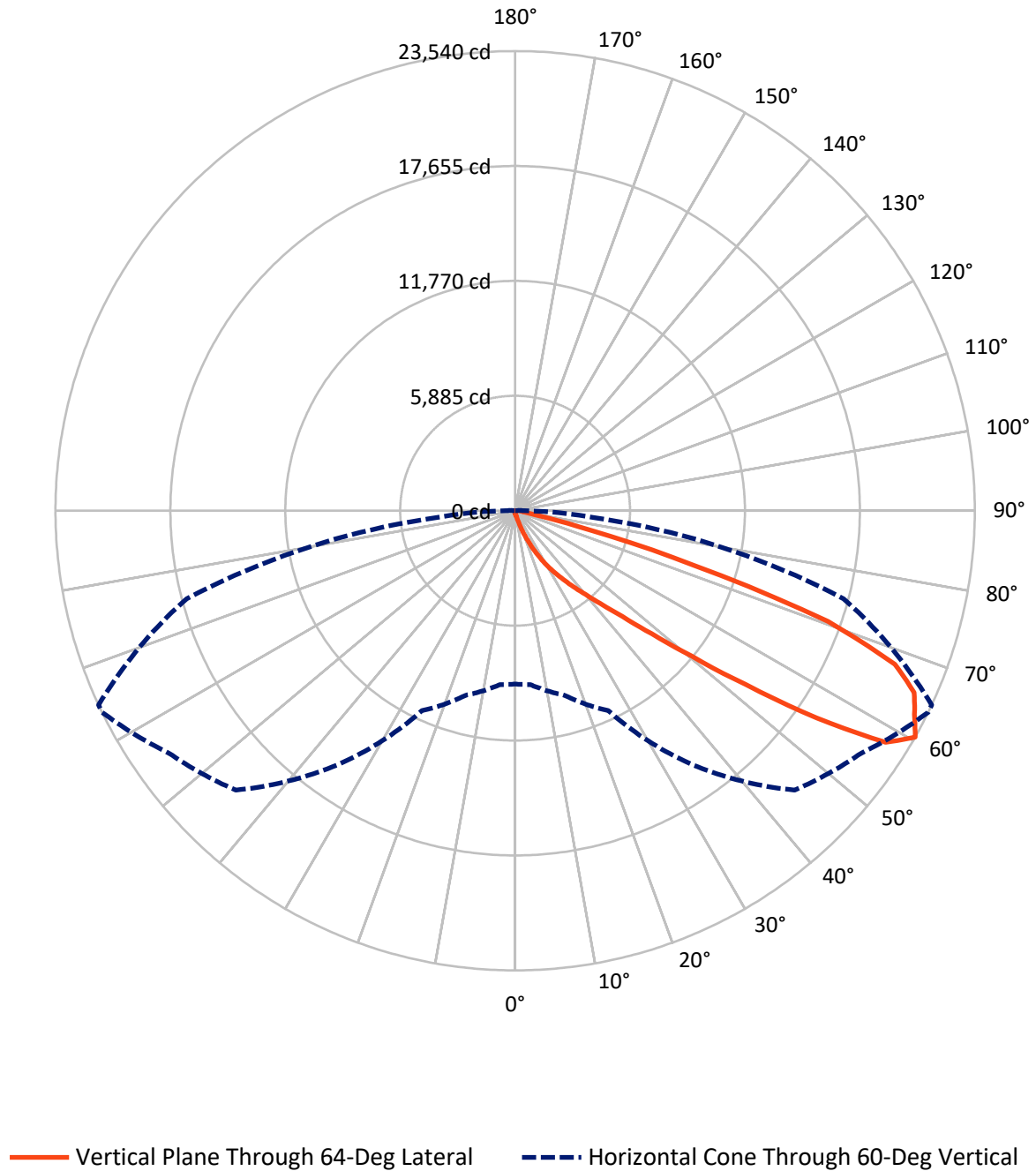


Based on 15 foot mounting height. Maximum calculated value = 30 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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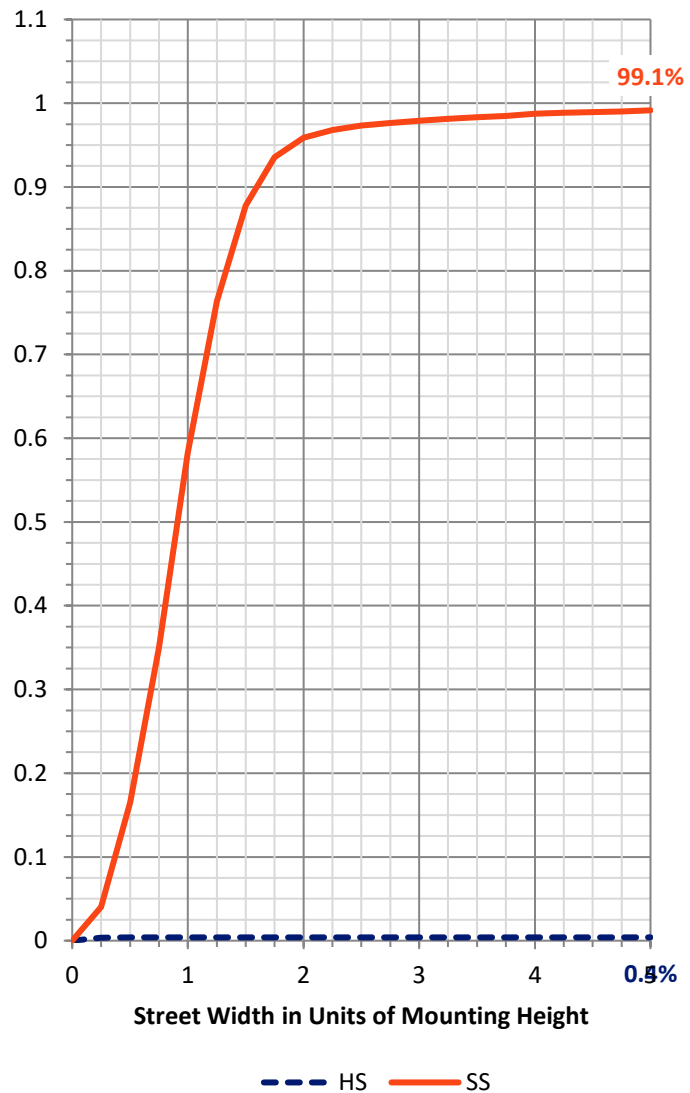
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	84.9	0.0	84.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20860.1	0.0	20860.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	20945.0	0.0	20945.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.1
10°-20°	205.8	1.0
20°-30°	683.6	3.3
30°-40°	1824.0	8.7
40°-50°	4636.2	22.1
50°-60°	6758.6	32.3
60°-70°	5220.4	24.9
70°-80°	1433.6	6.8
80°-90°	161.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20945.0	100.0
0°-180°	20945.0	100.0



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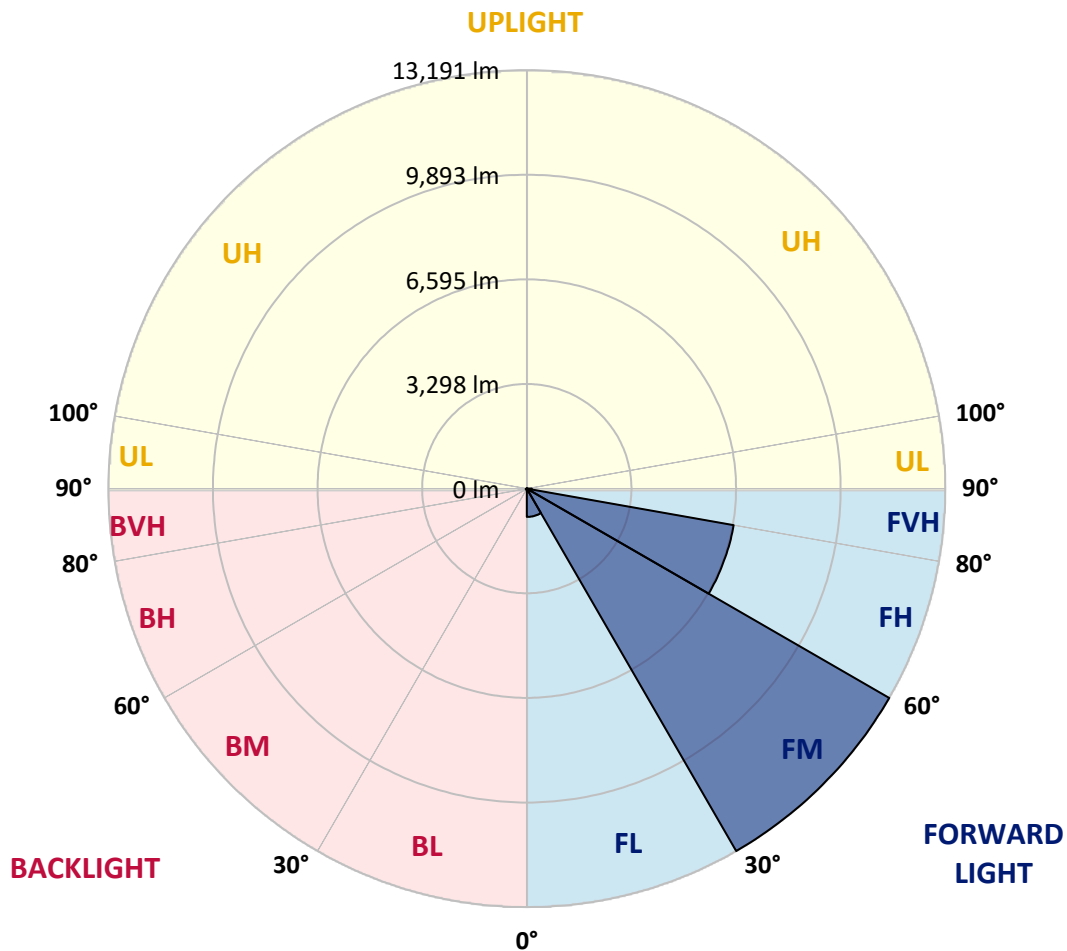
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	891.2	4.3			
FM	(30°-60°)	13190.8	63.0			
FH	(60°-80°)	6620.1	31.6			G3/7500
FVH	(80°-90°)	158.0	0.8			G2/225
BL	(0°-30°)	19.1	0.1	B0/110		
BM	(30°-60°)	28.1	0.1	B0/220		
BH	(60°-80°)	33.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4
2.5°	184.5	184.5	184.5	178.7	173.0	173.0	167.2	161.4	161.4	149.9	144.1
5°	282.5	282.5	271.0	259.4	242.1	219.1	196.0	178.7	178.7	161.4	149.9
7.5°	553.5	570.8	518.9	455.5	369.0	311.3	247.9	207.6	201.8	173.0	149.9
10°	1199.2	1187.7	1107.0	951.3	749.5	541.9	345.9	253.7	242.1	184.5	149.9
12.5°	1804.6	1821.9	1735.4	1562.4	1320.3	962.8	593.8	328.6	317.1	201.8	149.9
15°	2323.5	2323.5	2265.8	2179.3	1914.1	1539.4	957.1	490.1	449.7	219.1	144.1
17.5°	2680.9	2675.1	2652.1	2629.0	2473.4	2087.1	1464.4	784.1	691.8	259.4	144.1
20°	3084.5	3067.2	3096.0	3049.9	2928.8	2623.3	2000.6	1164.6	1078.1	328.6	144.1
22.5°	3505.4	3522.7	3545.7	3499.6	3367.0	3101.8	2565.6	1654.7	1562.4	455.5	149.9
25°	4041.5	4030.0	4081.9	4041.5	3874.4	3563.0	3096.0	2190.9	2058.2	634.2	161.4
27.5°	4698.8	4675.7	4710.3	4606.6	4387.5	4070.4	3568.8	2738.6	2582.9	910.9	184.5
30°	5569.4	5586.7	5431.0	5309.9	4998.6	4577.7	4093.4	3326.6	3165.2	1239.6	207.6
32.5°	6941.5	6820.5	6578.3	6088.3	5678.9	5142.7	4618.1	3839.8	3695.6	1660.4	242.1
35°	9080.5	9103.6	8573.2	7362.4	6474.5	5851.9	5194.6	4404.8	4301.0	2139.0	288.3
37.5°	11686.5	11623.1	11156.1	9628.2	7639.2	6734.0	5851.9	5021.7	4871.8	2657.9	345.9
40°	14638.4	14373.1	14102.2	13064.4	10066.4	7840.9	6682.1	5736.6	5621.3	3257.5	438.2
42.5°	17002.2	16933.0	16979.1	16546.7	14113.7	9726.2	7783.3	6612.9	6474.5	4001.2	599.6
45°	18166.8	18068.8	18345.5	18668.4	18045.7	13739.0	9559.0	7731.4	7546.9	4877.5	847.5
47.5°	17855.5	17786.3	18380.1	19014.3	19844.5	18391.6	12459.0	9403.4	9086.3	6001.8	1216.5
50°	16321.9	16327.6	17302.0	18483.9	19798.4	20749.7	16754.3	11692.2	11294.4	7495.0	1793.0
52.5°	14828.6	14874.7	15906.7	17630.6	19112.3	21026.4	20524.8	14776.7	14131.0	9253.5	2473.4
55°	13295.0	13318.1	14229.0	16656.2	18789.4	20202.0	22462.0	18749.1	18063.0	11444.3	3136.4
57.5°	11819.1	11819.1	12159.2	14315.5	18437.8	20127.0	22231.4	22381.3	21822.0	13946.5	3626.4
60°	8878.7	8936.4	9783.9	11294.4	15901.0	20236.6	21643.3	23540.1	23540.1	17417.3	4001.2
62.5°	4485.5	4572.0	5627.0	7097.2	10908.1	18726.0	21735.6	22957.8	23050.1	20478.7	4854.5
65°	2104.4	2202.4	2767.4	3805.2	5869.2	13179.7	20778.5	22462.0	22433.2	19896.4	6653.3
67.5°	1510.5	1539.4	1729.6	2219.7	3159.4	5776.9	15860.6	20980.3	20991.8	16904.2	7650.7
70°	1354.9	1354.9	1401.0	1545.1	1902.6	2582.9	7708.3	16990.6	17815.1	13052.9	7091.4
72.5°	1337.6	1326.0	1314.5	1320.3	1285.7	1297.2	2646.3	9593.6	10769.8	9132.4	5655.9
75°	1303.0	1303.0	1291.5	1251.1	1026.2	836.0	910.9	3880.1	4485.5	6099.8	4197.2
77.5°	1032.0	1135.8	1256.9	1181.9	939.8	628.4	530.4	1124.3	1418.3	3741.7	3044.1
80°	478.5	484.3	478.5	501.6	599.6	449.7	392.0	547.7	553.5	2075.5	1885.3
82.5°	345.9	351.7	334.4	299.8	265.2	242.1	322.9	403.6	432.4	951.3	703.4
85°	103.8	98.0	115.3	155.7	184.5	213.3	271.0	340.2	357.5	351.7	103.8
87.5°	46.1	46.1	57.7	80.7	109.5	161.4	236.4	311.3	317.1	363.2	28.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: NVN-SA4D-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4
2.5°	144.1	138.4	132.6	126.8	121.1	115.3	109.5	109.5	115.3	115.3	115.3
5°	138.4	132.6	121.1	109.5	103.8	98.0	92.2	92.2	98.0	98.0	98.0
7.5°	138.4	126.8	115.3	103.8	92.2	86.5	80.7	80.7	80.7	86.5	86.5
10°	138.4	126.8	109.5	92.2	80.7	75.0	69.2	63.4	69.2	69.2	69.2
12.5°	132.6	121.1	103.8	86.5	69.2	57.7	51.9	51.9	51.9	51.9	51.9
15°	126.8	115.3	98.0	75.0	57.7	46.1	34.6	34.6	34.6	40.4	40.4
17.5°	121.1	109.5	86.5	57.7	40.4	28.8	23.1	23.1	23.1	28.8	28.8
20°	121.1	103.8	75.0	46.1	28.8	17.3	11.5	11.5	11.5	17.3	23.1
22.5°	121.1	103.8	69.2	34.6	17.3	11.5	5.8	5.8	5.8	5.8	5.8
25°	121.1	98.0	63.4	28.8	11.5	5.8	0.0	0.0	5.8	11.5	17.3
27.5°	121.1	92.2	51.9	17.3	11.5	5.8	0.0	5.8	11.5	11.5	11.5
30°	121.1	92.2	46.1	17.3	5.8	0.0	0.0	5.8	11.5	11.5	17.3
32.5°	126.8	86.5	40.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	132.6	80.7	34.6	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	144.1	80.7	23.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	161.4	86.5	23.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	201.8	92.2	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	282.5	115.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	415.1	173.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	605.4	236.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	743.7	236.4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	738.0	149.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	565.0	103.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	478.5	75.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	576.5	57.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1026.2	51.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1648.9	51.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1844.9	51.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1441.4	46.1	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	789.9	40.4	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	397.8	28.8	11.5	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	167.2	23.1	11.5	5.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	57.7	23.1	11.5	11.5	5.8	5.8	0.0	0.0	0.0	0.0	0.0
85°	28.8	17.3	17.3	11.5	11.5	5.8	5.8	0.0	0.0	0.0	0.0
87.5°	17.3	17.3	17.3	11.5	11.5	5.8	5.8	0.0	0.0	0.0	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

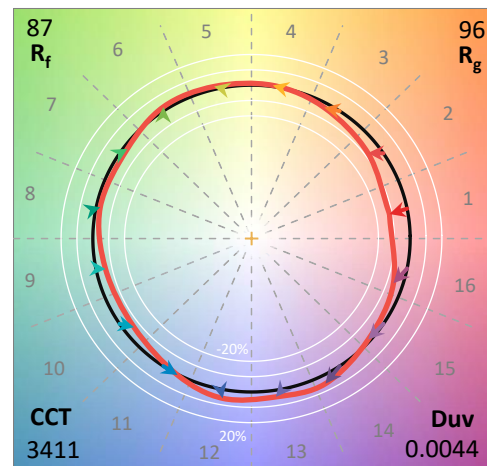
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

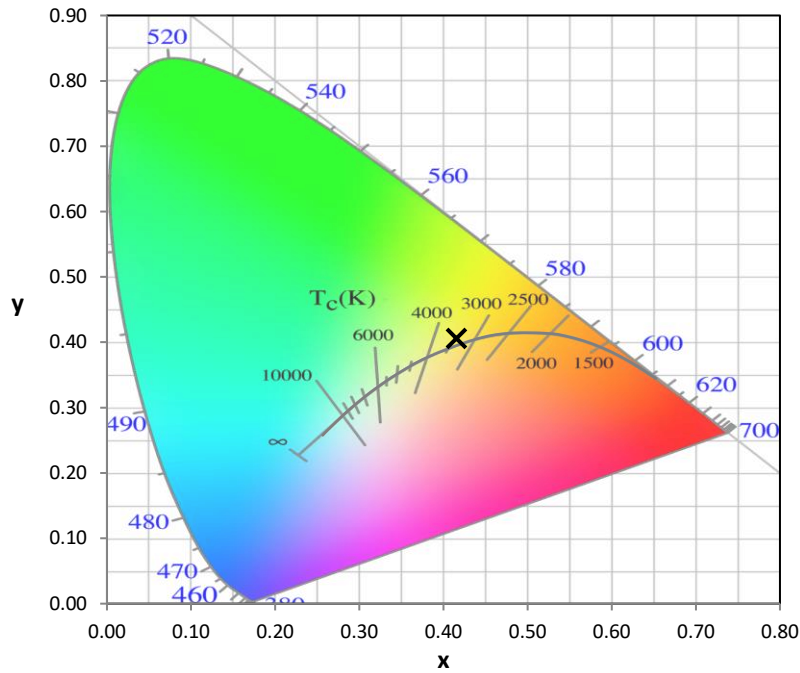
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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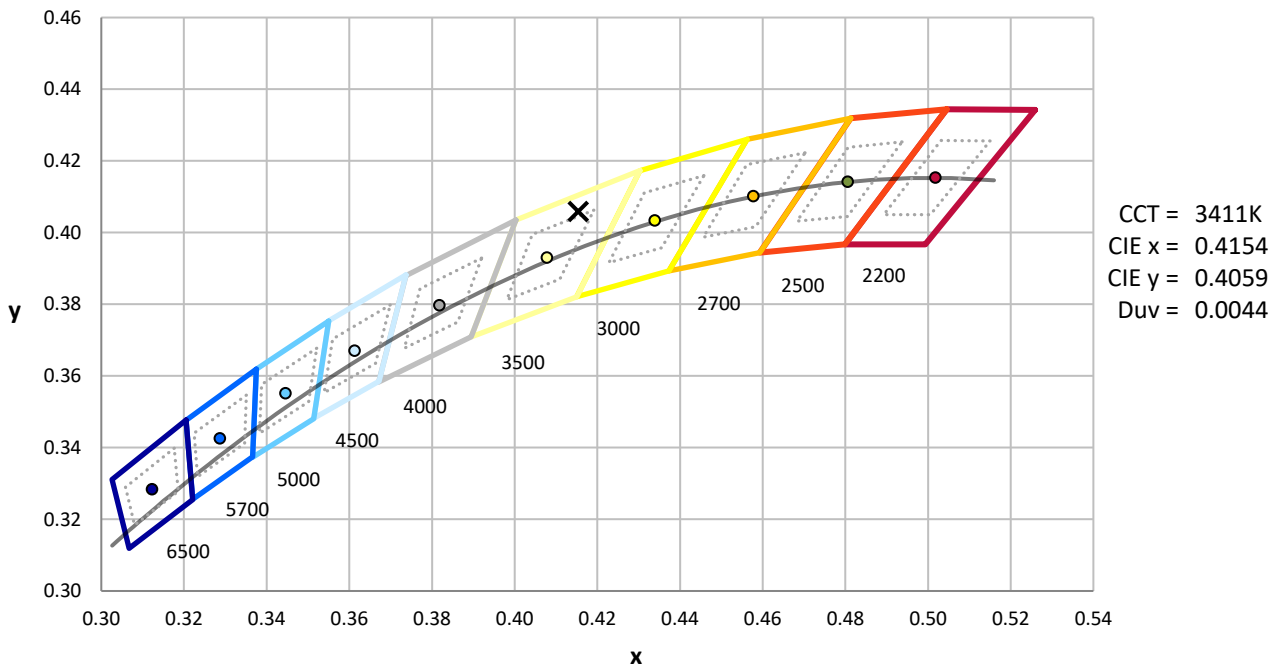
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



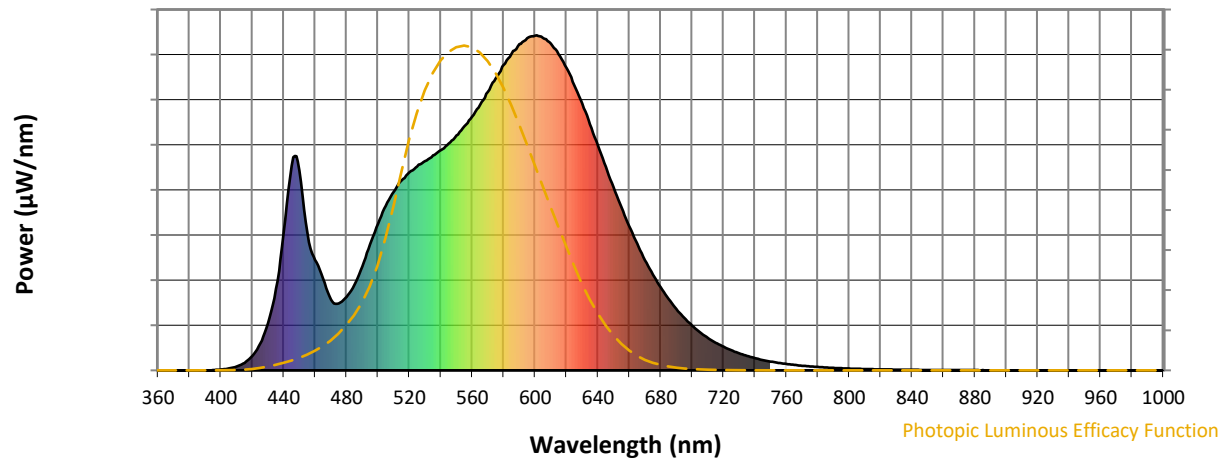
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

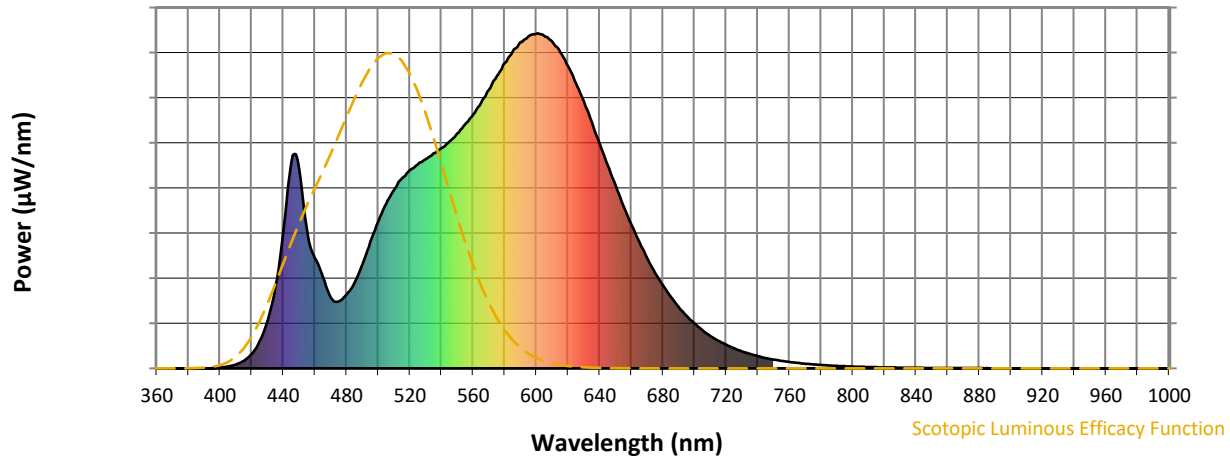


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



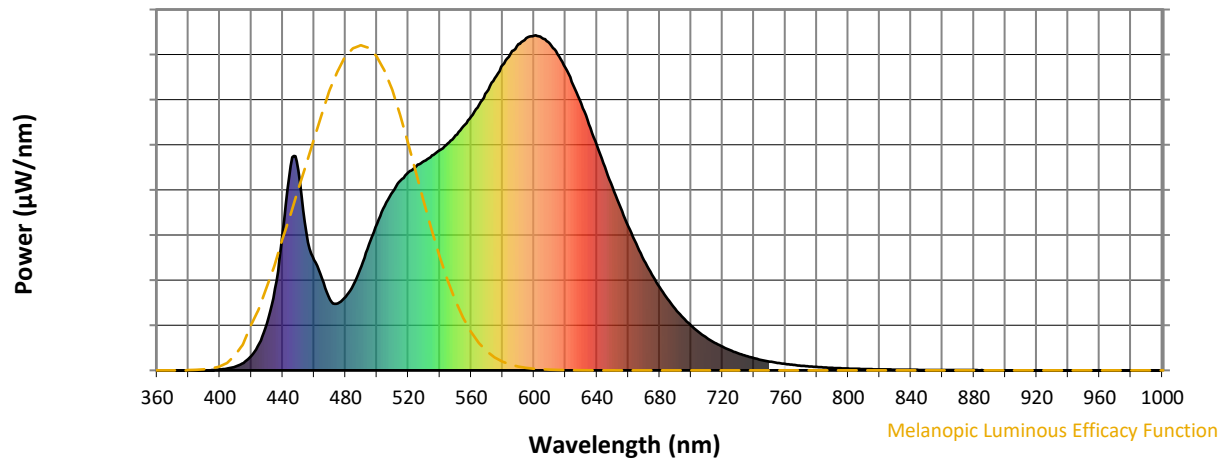
Scotopic Lumens: NR

S/P: 1.48

λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

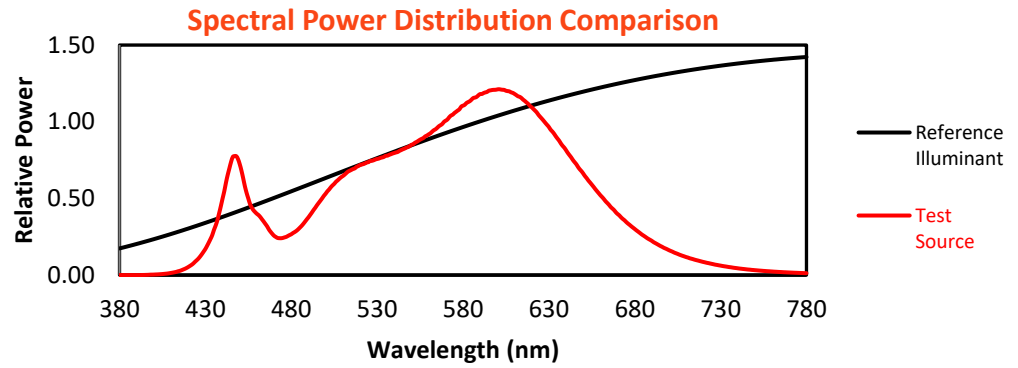
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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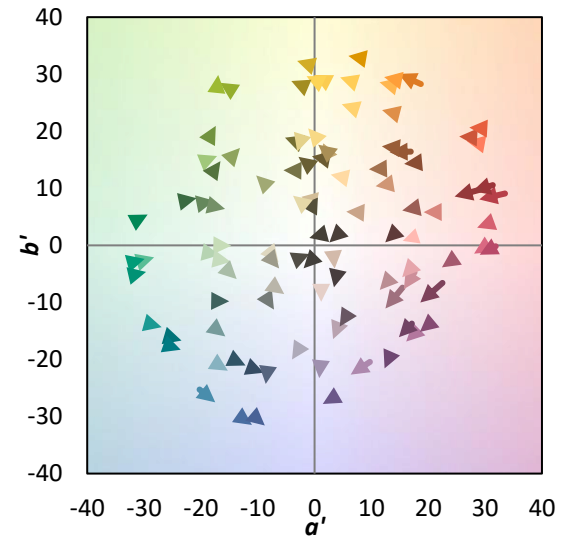
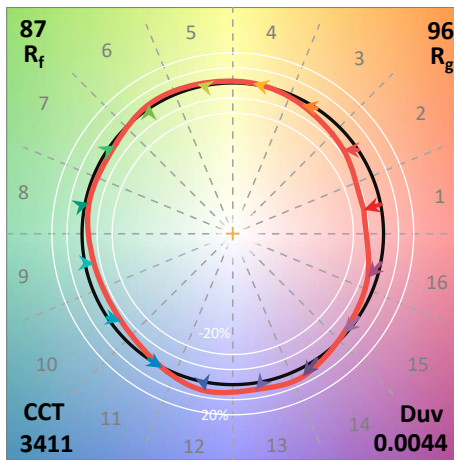
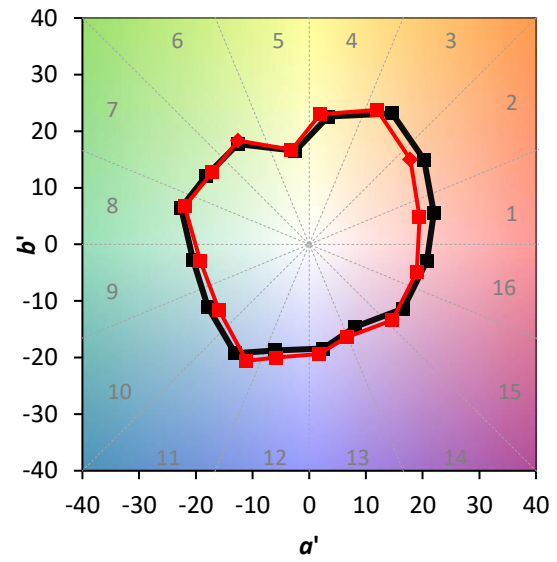
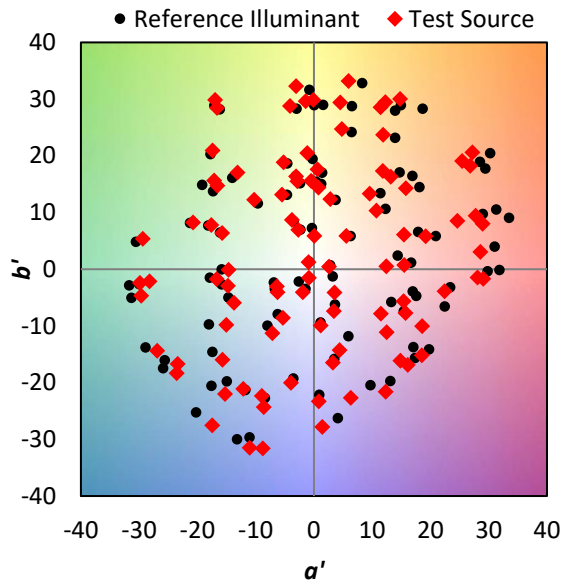
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $\text{CIE } R_a = 83.5$
 $R_9 = 6.3$

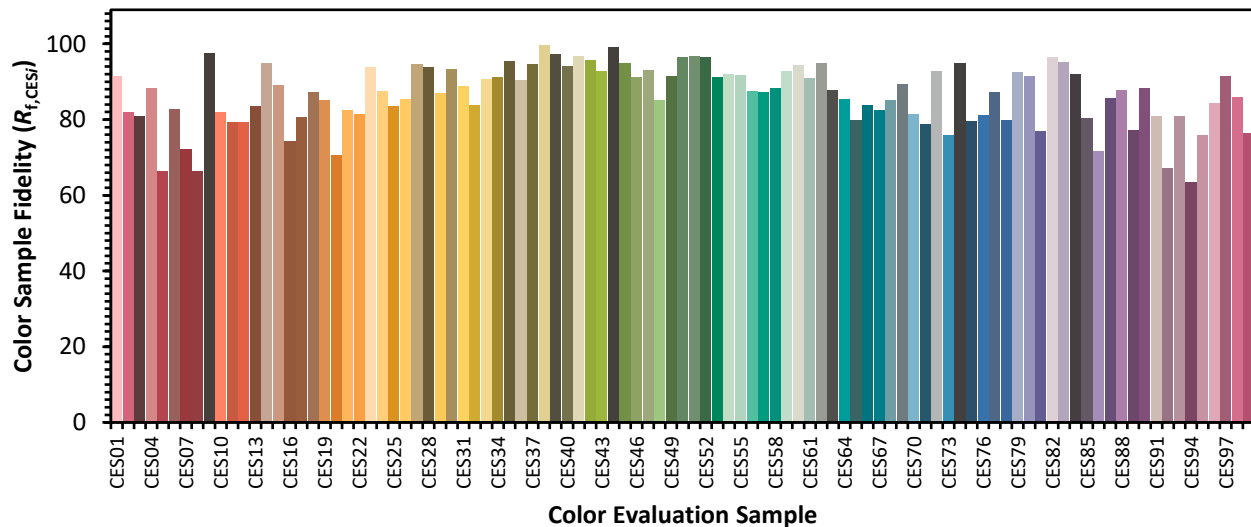


Color Vector Graphics

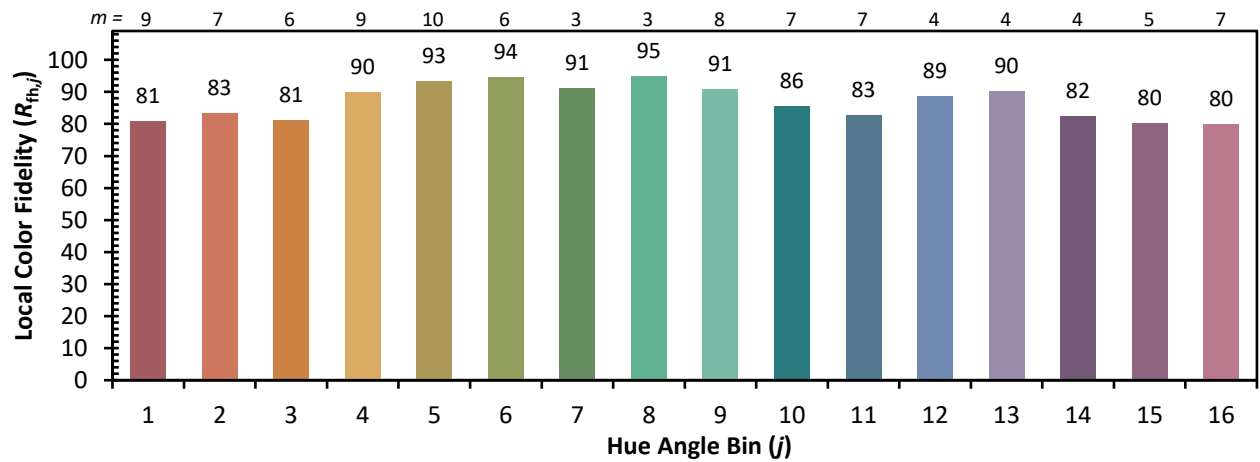
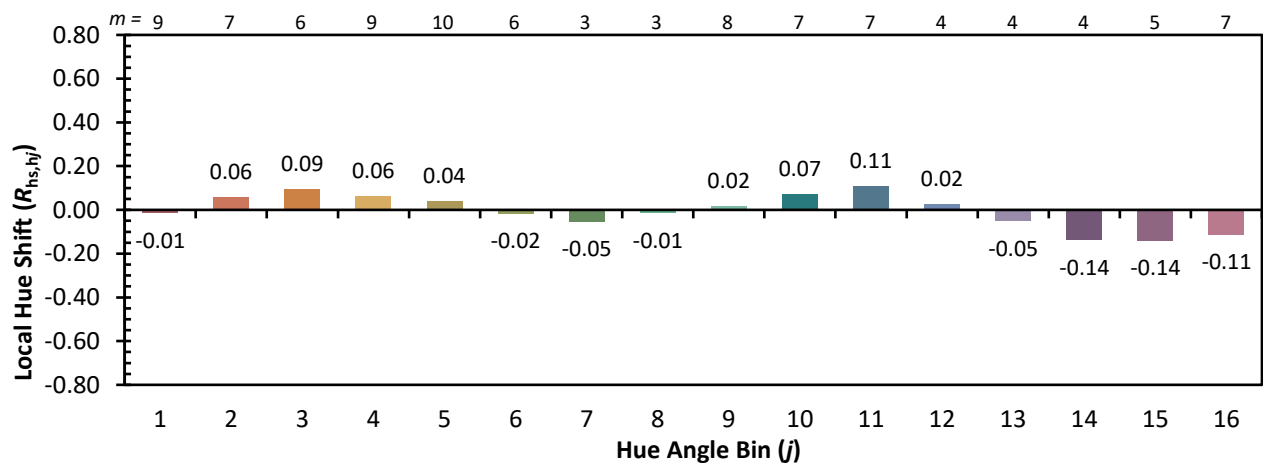
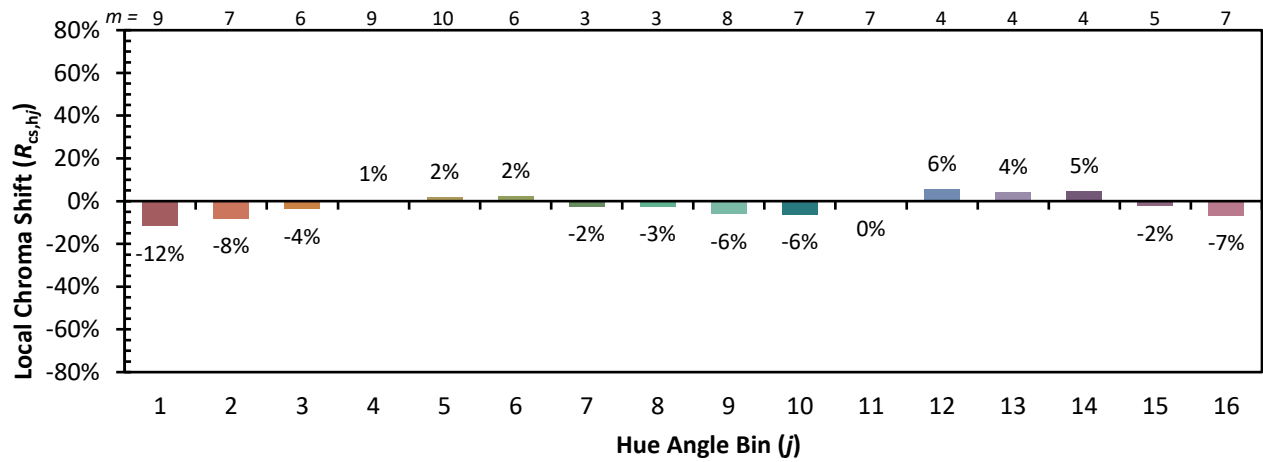


Individual Sample Fidelity Index ($R_{f,i}$)

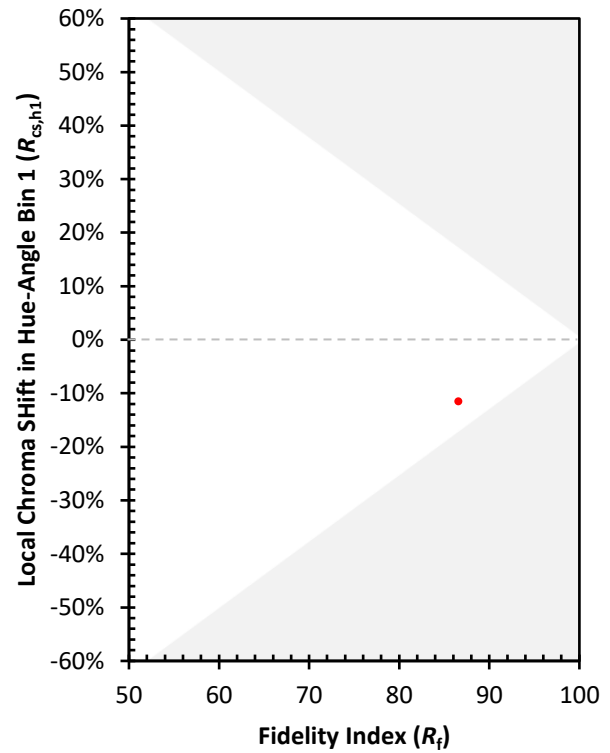
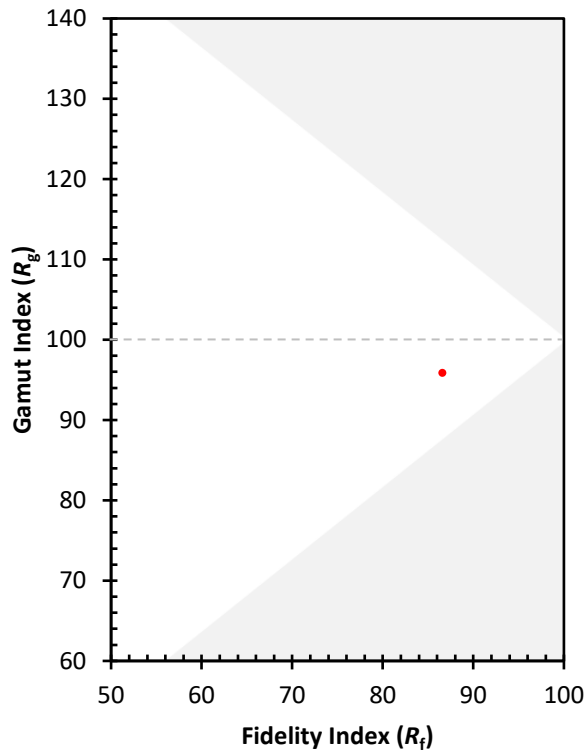
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)